FLUOR DANIEL

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September 14, 1995

FDI/ARCS #3592

U.S. Environmental Protection Agency
Attn:Eddie Sierra (6SF-RA)
Work Assignment Manager
1445 Ross Avenue, Suite 1000
Dallas, Texas 75202

CONTRACT NO. 68-W9-0013
LETTER MEMORANDUM
BFI - CHEMICAL SERVICES
EPA ID NO. TXD064131139
DALLAS, DALLAS COUNTY, TEXAS
SITE INSPECTION PRIORITIZATION II
WORK ASSIGNMENT NO. 52-6JZZ

Dear Mr. Sierra:

Attached is the Letter Memorandum for the above-referenced site. Per the agreement of the Fluor Daniel Project Manager and the Site Assessment Manager, no PA-Score was completed. With your approval, this submittal constitutes completion of our work for this site.

Should you have questions or require additional information, please contact either of the undersigned at (214) 450-4100.

Sincerely,

Mengistu Lemma
ARCS Project Manager

W. Jared Fuqua, P.G.
ARCS Pre-remedial Manager

Attachments

ML/scd

9792061

Introduction

Fluor Daniel, Inc. was tasked by the U.S. Environmental Protection Agency (EPA), Region 6, to conduct the Site Inspection Prioritization (SIP) for the Browning Ferris Industries Chemical Services site, Dallas, Dallas County, Texas (EPA ID No. TXD064131139). After reviewing the file provided by EPA and obtaining other site area data, the EPA Site Assessment Manager and the Fluor Daniel Project Manager concluded that a letter memorandum would be sufficient to complete the SIP assignment. This memorandum is based on file information and data provided by EPA, Region 6. The file information was then supplemented by topographic maps, Geographical Exposure Modeling System (GEMS) population data, and other information supplied by state and local agencies.

Background Information

The Browning Ferris Industries (BFI) Chemical Services site is located at 2617 Willowbrook Road, Dallas, Dallas County, Texas. The geographic coordinates of the site are 32°51'54" North latitude and 96°52'58" West longitude. The 4.5 acre active site, located in an urban area of Texas, is utilized as an administrative and operations/maintenance office for nonhazardous solid waste hauling activities and off-site landfill disposal. No disposal, treatment, or storage facilities are located on-site.

In November, 1980, BFI Chemical Services submitted RCRA permit applications for on-site incineration and drum and tank storage. Neither the incinerator nor the tank and drum storage area were ever built. In February, 1984, BFI Chemical Services certified that no hazardous waste was stored, processed or disposed at the Willowbrook site. A May, 1984 site inspection report concluded that no hazardous waste activities were being conducted at the facility; however, a second nearby BFI site was mentioned as a possible hazardous waste generator or a hazardous waste treatment, storage, and disposal facility. As a result of the company's certified statement regarding the lack of on-site hazardous waste and the conclusions from the site inspection report, the Texas Department of Water Resources withdrew the hazardous waste permit application for the Willowbrook site in July, 1984.

The second BFI site, located at 1101 Quaker Street, Dallas, Texas was believed to provide marketing, blending, and delivery of specialty detergents, solvents, and additives; however, EPA's RCRA enforcement division has no record of the facility nor could BFI confirm these activities occurred at the site. The Quaker Street facility has been sold at least twice since 1985.

Waste Source Characteristics

There is no documented waste source for the Willowbrook site. The facility collects and transports municipal solid waste and Industrial Class III (nonhazardous) waste. All wastes were disposed at an off-site landfill.

Ground Water Migration Pathway

The site has no known soil contamination and therefore, poses little potential to effect the ground water. There is no ground water utilization in the area surrounding the site. Drinking

water for the area is supplied by the City of Dallas, which obtains the water supply from surface water sources.

Surface Water Migration Pathway

Site surface water runoff travels southeast for approximately 0.04 mile to Joes Creek. Joes Creek flows 1.4 miles southwest thence discharges to the Elm Fork of the Trinity River. The remaining 13.6 miles of the 15-mile Target Distance Limit (TDL) is along this river and ends near Rochester Park.

The City of Dallas derives it drinking water entirely from surface water sources. The drinking water system consists of three raw water treatment plants all with separate surface water intakes. The surface water intake for the Bachman Filtration Plant is located approximately 1.4 miles downstream from the site on the Elm Fork of the Trinity River. Raw water is tested regularly and includes testing for organic contaminants. Treated water from the Bachman Plant meets all Federal and State drinking water standards. The surface water intakes for the other two plants are located upstream of the site.

Soil Exposure Pathway

The site has no known soil contamination. There are no homes, schools, or daycare facilities within 200 feet of the facility. Using a topographic map, forty-four houses lie within 1/4 mile of the site. This corresponds to 114 persons using the average number of residents per household data of 2.60 for Dallas County. One hundred nine houses were identified in the 1/4 to 1/2 mile range. This corresponds to 283 persons. The count of homes from 1/2 to 1 mile of the site was 160, indicating a population of 416 persons.

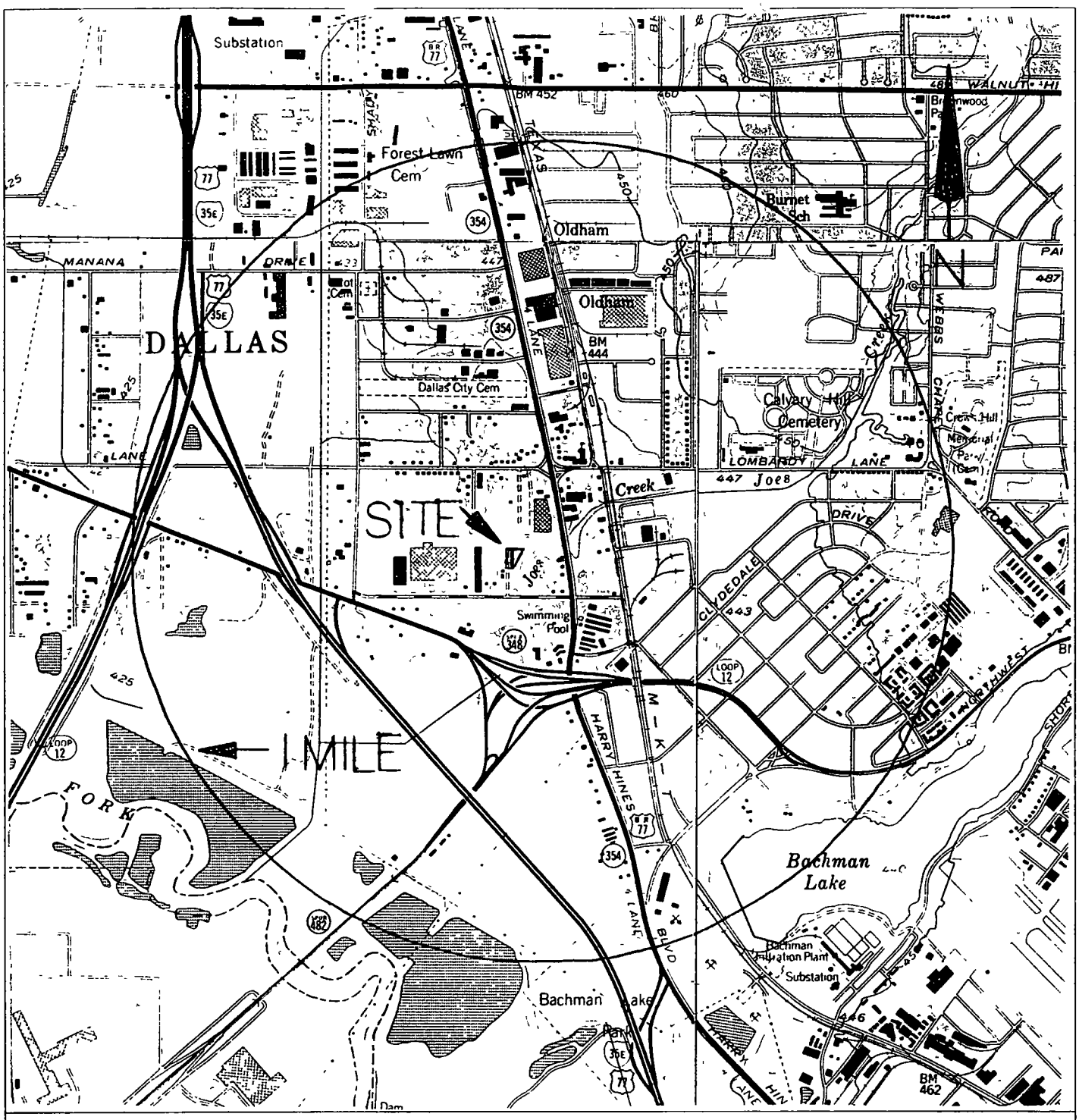
Air Migration Pathway

The potential for air emissions is low due to the lack of any known site contamination. Based on a topographic map house count, 813 persons reside within 1 mile of the site. Based on GEMS population data, 13,920 people reside within 1 to 2 miles from the site. The number of residents between 2 to 3 miles and 3 to 4 miles is 25,791 and 42,388 respectively. The total population within 4 miles is 82,912.

Summary

The BFI Chemical Services site located at 2617 Willowbrook Road, Dallas, Dallas County, Texas is utilized for administrative and operation purposes for nonhazardous solid waste hauling activities. The wastes are transported to an off-site disposal facility. There is no documentation of on-site hazardous waste contamination. There is no ground water use in the area. Due to the absence of documented contamination, the potential to effect the surface water would be small. Due to the absence of on-site and nearby residences and the absence of documented on-site contamination, the potential to effect the soil exposure and air migration pathways would be minimal.

FIGURE 1
SITE LOCATION MAP



NOTE USGS 7 5' Topographic Maps Addison, TX, Dallas, TX, Carrollton, TX, Irving, TX

SCALE 1 24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

QUADRANGLE LOCATION

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Site Location Map

BFI - DALLAS (TXD064131139)
Dallas, Texas

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Figure 1